

# Polymat VR

## A Lightweight, Heavy Duty Protection and Moisture Retention Mat for Vegetated Roofs

**Composition:** Polymat VR is a dual polyester geotextile fabric consisting of a Spunbond continuous filament polyester needle bonded to a polyester fleece. The top course of polyester is rigid and abrasion resistant, while the bottom course of polyester fleece is soft and conformable to a variety of substrates. This dual polyester geotextile will resist degradation under exposure to moisture, soil, or waterproofing materials. Polymat VR is asbestos free.

**Basic Uses:** Polymat VR is used to protect underlying courses of insulation, root barriers, and waterproofing membranes in a Vegetated Roof Assembly. In addition, Polymat VR will also function to retain additional moisture for the overlying soil system when specified directly under a water drainage mat such as Tremco WaterDrain VR.

Polymat VR will smooth out uneven surfaces, bridge insulation joints, and provide a smooth stable substrate for overlying materials, such as a Vegetated Roof System or plaza deck pavers. Polymat VR is compatible with a variety of waterproofing and construction materials, such as asphalt, polymeric membranes, concrete, and EPS or cellular glass insulation.

Polymat VR will protect horizontal surfaces from construction traffic, along with providing excellent protection for vertical surfaces while installing backfill. In addition to using as a part of a Vegetated Roof System, Polymat VR may also be specified for use in under poured in place concrete slabs, planters, plaza deck applications, along foundation waterproofing, and in below grade applications.

**Limitations:**

- Not intended for use as a ply sheet in hot applied bituminous adhesives.
- Not intended for permanent exposure to sunlight or foot traffic; must be covered with suitable construction components.
- Not intended for sole use as a root barrier; must be used in combination with an approved root barrier component.

**Packaging:** Polymat VR rolls are 40" x 200' (1.016 m x 60.96 m), 6.3 SQ per roll as applied. 12 rolls per pallet.

**Color:** Gray on top / white on bottom

**APPLICATION DATA:**

**Waterproofing System:** Waterproofing membrane and flashings must be fully installed, inspected, and approved by Tremco, and water-tight prior to application of Polymat VR

**Root Barrier and Insulation Layers:** Depending on the system being installed, the Root Barrier membrane and insulation layer(s) shall be installed as specified.

**Surface Preparation:** Substrate must be properly sloped, free of sharp protrusions, free of height changes greater than 1/8", clean of dirt, and dry prior to installation of Polymat VR.

Approved insulation (extruded polystyrene or cellular glass) may be specified either beneath or above Polymat VR. Refer to project specifications or consult with your local Tremco Representative for further information.

Product Advantages	
Features	Benefits
Spunbond Polyester	<ul style="list-style-type: none"> <li>• Strength and toughness</li> <li>• Puncture Resistant</li> </ul>
Fleece backing	<ul style="list-style-type: none"> <li>• Conforms to uneven surfaces</li> <li>• Compatible with a variety of substrates, such as asphaltic</li> </ul>
Lightweight	<ul style="list-style-type: none"> <li>• Minimizes weight loading on Vegetated Roof Systems</li> </ul>
Moisture Retention	<ul style="list-style-type: none"> <li>• Absorbs and retains rainfall to be released into growing medium during dry periods.</li> </ul>
Flexible	<ul style="list-style-type: none"> <li>• Accommodates edges and corners easily</li> </ul>



Roofing & Weatherproofing Peace of Mind™

**Application:** Plan placement of Polymat VR to ensure that water will flow over or along, but not against lap edges. In horizontal applications, start at the low end of roof and install Polymat VR directly to the specified substrate. Overlap edges and end laps 2 inches (50 mm).

When used as a Moisture/Protection Mat in a Vegetated Roof System, extend Polymat VR up walls, curbs, and projections prior to installation of WaterDrain VR (water drainage mat). Extend Polymat VR approx 1" into drain bowl and cut out opening to allow for unobstructed passage of water into drain. 6" (150 mm) Strips of Polymat VR may be used to envelope WaterDrain VR to assure dirt and other debris will not enter drainage mat core.

When used as a Protection Course in vertical applications, mechanically attach or adhere Polymat VR in place prior to installation of backfill.

Polymat VR may be exposed to sunlight and weather for extended periods, up to 90 days. Polymat VR must be fully adhered or properly ballasted when being used as a temporary protection sheet in exposed environments. Contact your local Tremco Representative for further information.

**Precautions:** Users must read container labels and Material Safety Data Sheets for health and safety precautions prior to use.

**Availability and Cost:** Contact your local Tremco Roofing Representative for pricing and availability. For the name of your Representative, call the Roofing Division at 216/292-5000.

**Maintenance:** Your local Tremco Roofing Representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventive maintenance are all part of a sound roof program.

**Guarantee/Warranty:** Tremco Inc. warrants Polymat VR to be free of defects and to meet published physical properties when tested according to ASTM and Tremco standards. Under this warranty, any Polymat VR product that is proved to be defective when applied in accordance to our written instructions, and in applications recommended by Tremco as suitable for this product will be replaced with like product at no charge. THIS IS BUYER'S SOLE AND EXCLUSIVE REMEDY.

All claims concerning product defects must be made in writing within twelve (12) months of shipment. The absence of such claims in writing during this period will constitute a waiver of all claims with respect to such product.

### Physical Performance Characteristics

#### Polymat VR

Property	Typical Value	Test Method
Weight	11.7 ounces/sq.yd (380 g/sq.m.)	ASTM D 3776
Thickness (relaxed)	0.10" (2.5 mm)	ASTM D 1777
Tensile (Grab method)	300 lbf MD (1.33 kN) 260 lbf XMD (1.15 kN)	ASTM D 4632
Mullen Burst	410 psi (2826 kPa)	ASTM D 3786
Water Permeability	0.56 cm/sec <sup>1</sup>	ASTM D 4491

This warranty shall be IN LIEU OF any other warranty, express or implied, including but not limited to, any implied warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

**Technical Services:** Your local Tremco Representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications. The services of the Tremco Research Center, which has earned a unique reputation in weatherproofing technology, complement and extend the services of the Tremco Technical Service staff.

**Statement of Policy and Responsibility:** Tremco takes responsibility for furnishing quality materials and for providing specifications and recommendations for their proper installation.

As neither Tremco itself nor its Representatives practice architecture or engineering, Tremco offers no opinion on, and expressly disclaims any responsibility for the soundness of any structure on which its products may be applied. If questions arise as to the soundness of a structure or its ability to support a planned installation properly, the Owner should obtain the opinion of competent structural engineers before proceeding. Tremco accepts no liability for any structural failure or for resultant damages, and no Tremco Representative is authorized to vary this disclaimer.

**TREMCO**

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